Quiz 2	Math 15	Statistics	Jones	Name				
1)		g all of 55,000 kg	statistic or a parang of meat stored at	neter. the Wurst Sausage Company, it was found that 45,000 kg of				
Identify the number as either continuous or discrete.								
2)	The average hei	ght of all 32 bas	sil plants 3 weeks a	after germination is 3.4 centimeters.				
3)		rcher randomly	y selects 10 gracery	lom, stratified, systematic, cluster, convenience. y stores in California and then interviews selects every 100th				
4)	to obtain 50 nun	tains an alphabe nbers between 1	l and 2560. She ch	60 students at a college. She uses a random number generator coses the 50 students corresponding to those numbers. Does mple random sample? Explain.				
			·					
	A hip hop radio the new mayor. nop show? Why	Are the results	et in the city of Puc likely to be repres	Idelton asked people to call in and express their opinions on entative of all adults in Puddelton? Of all listeners to the hip				

## Solve the problem.

6) The following frequency distribution analyzes the scores on a math test.

Draw the corresponding histogram.

Scores	Frequency
31-45	2
46-60	4
61-75	6
76-90	15
91-105	8

The class width	
The class boundaries of scores interval 46-60	
The class midpoint of scores interval 46-60	
Is the data approximately Normal?	Why?

## Provide an appropriate response.

- 7) A researcher wishes to assess the working conditions of farm workers at farms in his district. There are 37 farms in the district which are widely scattered geographically. The researcher wishes to interview at least 300 farm workers. Each farm employs approximately 50 workers.
  - a) Describe a method for selecting a sample which involves cluster sampling.
  - b) What group is the sample?
  - c) What is the population?
  - d) Is this sample representative? Explain.
  - e) The researcher will ask "How many hours each worker works per week?" Is the number of hours worked a quantitative or qualitative variable? Would you use a mean or a proportion as a summary statistic?
  - f) The researcher will ask "Is the farm safe?" Is opinion of working safety a quantitative or qualitative variable? Would you use a mean or a proportion as a summary statistic?